

TO: Mayor J. Lehman and Members of Council

FROM: S. Patterson, P. Eng., Manager of Design & Construction

NOTED: R. J. Forward, MBA, M.Sc., P. Eng., General Manager of Infrastructure & Growth Management
C. Ladd, Chief Administrative Officer

RE: **Mapleview Drive East Reduction to One Lane at Lover's Creek Crossing**
(File: T04 2016-014T)

DATE: September 26, 2016

The purpose of this memo is to provide Council notice of the temporary reduction to one lane on Mapleview Drive East at the existing Lover's Creek crossing approximately 650m East of Huronia Road, see Appendix attached. The project includes widening and urbanizing Mapleview Drive East from Huronia Road to Country Lane to 5 lanes including replacement and expansion of the Lovers Creek culvert. The existing two lane culvert will remain in place until the summer of 2017 due to in-water work timing restrictions dictated in the environmental approvals.

The construction area for the foundations for the new Lover's Creek culvert is close to the existing culvert. Two lanes of traffic have to be directed across the existing culvert to the temporary detour road in a tight 'S' curve while the foundations of the north culvert are being constructed. A similar situation will occur when the south portions of the foundations are constructed and the traffic is diverted to the north. There are safety concerns relating to two large vehicles (buses or transport trucks) traversing the 'S' curve at the same time so the transition area will be reduced to one lane of traffic during the culvert foundation construction timeframe which is anticipated to be two months in total.

The contractor will use flag personnel to control the traffic from approximately 7:00 a.m. until 7:00 p.m. Monday to Friday to minimize delays on traffic during peak times and will utilize portable temporary traffic signal equipment from approximately 7:00 p.m. until 7:00 a.m. on weekdays and during all weekend hours. Traffic delays will be monitored and adjustments to the above noted times will be undertaken as required. These measures are anticipated to be in place starting September 26th, 2016.

A temporary asphalt roadway has been constructed by the Contractor along the south boulevard to accommodate a deep sanitary trunk sewer along Mapleview Drive East from Lover's Creek to Huronia Road. The temporary road has been constructed on each side of the existing PowerStream pole line and is posted at 40kph. The diversion road has been inspected by a transportation specialist to certify that it meets the requirements of the Ontario Traffic Manual. The diversion is expected to remain in place until Spring 2017.

If there are any questions, please contact Stew Patterson at extension 4481 or email at Stew.Patterson@barrie.ca.


S. Patterson, P. Eng.,
Manager of Design & Construction

APPENDIX A

